

Serial No.: 10/021,818

B1
COU4. selected from the group consisting of (Arg-Ala-Arg-Asp-Pro-Arg-Val-Pro-Val-Ala-Thr)_n (SEQ ID NO: 8), (Gly-Ser)_n, (Thr-Ser-Pro)_n, (Gly-Gly-Gly)_n, and (Glu-Lys)_n, wherein n is 1 to 15.

- On page 15, replace the paragraph at lines 3-14 with the following replacement paragraph:

B2
As used herein, the term "linker sequence" refers to a sequence of peptide bonded amino acids that joins or links by peptide bonds two amino acid sequences or polypeptide domains that are not joined by peptide bonds in nature. A linker sequence is encoded in frame on a polynucleotide between the sequences encoding the two polypeptide domains joined by the linker. A linker is preferably 5 to 50 amino acids in length, more preferably 10 to 20 amino acids in length. An example of linkers useful in the invention are the Gly-Ala linkers taught by Huston et al., U.S. Patent No. 5,258,498, incorporated herein by reference. Additional useful linkers include, but are not limited to (Arg-Ala-Arg-Asp-Pro-Arg-Val-Pro-Val-Ala-Thr)₁₋₅ (SEQ ID NO: 8; Xu et al., 1999, Proc. Natl. Acad. Sci. U.S.A. 96: 151-156), (Gly-Ser)_n (Shao et al., 2000, Bioconjug. Chem. 11: 822-826), (Thr-Ser-Pro)_n (Kroon et al., 2000, Eur. J. Biochem. 267: 6740-6752), (Gly-Gly-Gly)_n (Kluczyk et al., 2000, Peptides 21: 1411-1420), and (Glu-Lys)_n (Kluczyk et al., 2000, supra), wherein n is 1 to 15.

- On page 26, replace the paragraph at lines 13-22 with the following replacement paragraph:

B3
Linker sequences useful according to the invention serve to join monomers in the dimeric fluorescent polypeptides of the invention. A linker is preferably about 5 to about 50 amino acids in length, and more preferably about 10 to about 20 amino acids in length. An example of linkers useful in the invention are the Gly-Ala linkers taught by Huston et al., U.S. Patent No. 5,258,498, incorporated herein by reference. Additional useful linkers include, but are not limited to (Arg-Ala-Arg-Asp-Pro-Arg-Val-Pro-Val-Ala-Thr)₁₋₅ (SEQ ID NO: 8; Xu et al., 1999, Proc. Natl. Acad. Sci. U.S.A. 96: 151-156), (Gly-Ser)_n (Shao et al., 2000, Bioconjug. Chem. 11: 822-826), (Thr-Ser-Pro)_n (Kroon et al., 2000, Eur. J. Biochem. 267: 6740-6752), (Gly-Gly-Gly)_n (Kluczyk et al., 2000, Peptides 21: 1411-1420), and (Glu-Lys)_n (Kluczyk et al., 2000, supra), wherein n is 1 to 15 (each of the preceding references is also incorporated herein by reference).

- Replace Figure 4 with proposed amended Figure 4.